

Rabbit AOC3 Polyclonal Antibody | anti-AOC3 antibody

AOC3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326509	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

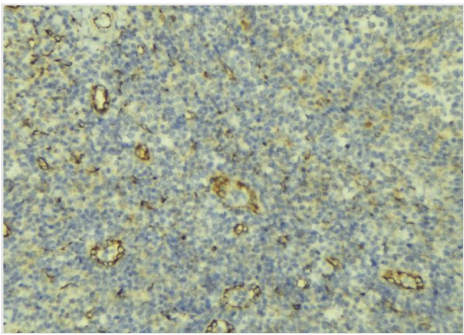
PRODUCT SYNONYMS

AOC3; Polyclonal Antibody; AOC3 Antibody; Amine oxidase; copper containing 3 (vascular adhesion protein 1); AOC3_HUMAN; Copper amine oxidase; HPAO; Membrane copper amine oxidase; Membrane primary amine oxidase; Semicarbazide sensitive amine oxidase; Semicarbazide-sensitive amine oxidase; SSAO; VAP-1; Vascular adhesion protein 1; VP97; anti-AOC3 antibody

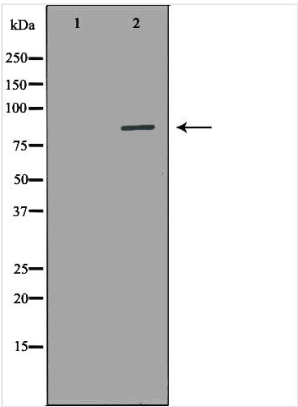
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	AOC3 antibody detects endogenous levels of total AOC3
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	634
Applicable Applications for anti-AOC3 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human AOC3
Subcellular Location	Membrane.
Tissue Specificity	Strongly expressed on the high endothelial venules of peripheral lymph nodes and on hepatic endothelia. Also highly expressed in appendix, lung and small intestine. Expressed also in adipose tissue, in bone marrow, colon, heart, kidney, ovary, pancreas, placenta, prostate, skeletal muscle, spleen and testis. Isoform 2 seems to be the predominant transcript in fetal kidneys, fetal cartilage and fetal tonsils. The highest relative expression of isoform 2 occurs in skeletal muscle, heart, pancreas, kidney, and lung.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA326509 at 1/100 staining Human lymph tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of A549 whole cell lysates, using AOC3 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-AOC3 antibody

Description: This gene encodes a member of the semicarbazide-sensitive amine oxidase family. Copper amine oxidases catalyze the oxidative conversion of amines to aldehydes in the presence of copper and quinone cofactor. The encoded protein is localized to the cell surface, has adhesive properties as well as monoamine oxidase activity, and may be involved in leukocyte trafficking. Alterations in levels of the encoded protein may be associated with many diseases, including diabetes mellitus. A pseudogene of this gene has been described and is located approximately 9-kb downstream on the same chromosome. Alternative splicing results in multiple transcript variants. Function: Cell adhesion protein that participates in lymphocyte extravasation and recirculation by mediating the binding of lymphocytes to peripheral lymph node vascular endothelial cells in an L-selectin-independent fashion. Has semicarbazide-sensitive (SSAO) monoamine oxidase activity. May play a role in adipogenesis. Subunit Structure: Homodimer; disulfide-linked. Can heterodimerize with isoform 2 leading to reduced surface expression. Forms a heterodimer with AOC2. Post-translational Modifications: Topaquinone (TPQ) is generated by copper-dependent autooxidation of a specific tyrosyl residue. N- and O-glycosylated. Similarity: Belongs to the copper/topaquinone oxidase family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	480306390
NCBI GeneID	8639
NCBI Accession #	NP_001264660.1
NCBI GenBank Nucleotide #	NM_001277731.1
UniProt Accession #	Q16853; Q45F94; B2RCI5; K7ESB3; L0L8N9
Molecular Weight	Observed: 84 kDa Predicted: 85 kDa
NCBI Official Full Name	membrane primary amine oxidase isoform 2
NCBI Official Synonym Full Names	amine oxidase, copper containing 3
NCBI Official Symbol	AOC3
NCBI Official Synonym Symbols	HPAO; SSAO; VAP1; VAP-1
NCBI Protein Information	membrane primary amine oxidase
UniProt Protein Name	Membrane primary amine oxidase
UniProt Gene Name	AOC3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/aoc3-antibody-immunohistochemistry-western-blot-elisa/326509>